

**Claims**

What is claimed is:

1. A system for encoding data, comprising:  
a first subsystem for generating presentation data *via* a first data protocol; and  
a component for encoding data other than the presentation data within the first data protocol *via* a second data protocol, wherein the component encapsulates the encoded data to isolate the second data protocol from the first data protocol to mitigate disruption of the presentation data.
2. The system of claim 1, wherein the second data protocol is encoded *via* non-ASCII characters.
3. The system of claim 2, wherein the second data protocol utilizes XML data.
4. The system of claim 3, wherein the XML data is encoded in a UTF-8 format.
5. The system of claim 1, further comprising an encapsulation sequence to isolate the second data protocol from the formatted data protocol.
6. The system of claim 5, wherein the system further comprises a control sequence associated with the formatted data protocol.
7. The system of claim 6, wherein the formatted data protocol is at least one of a VT100, TN3270, TN5250, VT320, VT340, VT420, VT220, and WYSE protocol.
8. The system of claim 6, wherein the control sequence enables detection of the encapsulation sequence.

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26. The system of claim 23, wherein the second data protocol is an XML stream.

27. The system of claim 26, wherein the XML stream is encoded in UTF-8 format.

28. The system of claim 23, wherein the encoded data is encapsulated *via* a control sequence.

29. An encoded data signal for transmission between at least two systems, comprising:

a first data protocol containing presentation data; and

a second data protocol encapsulated within the first data protocol to isolate the second data protocol from the presentation data.

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